

Patent Abstracts of Japan

PUBLICATION NUMBER : 60174915
PUBLICATION DATE : 09-09-85

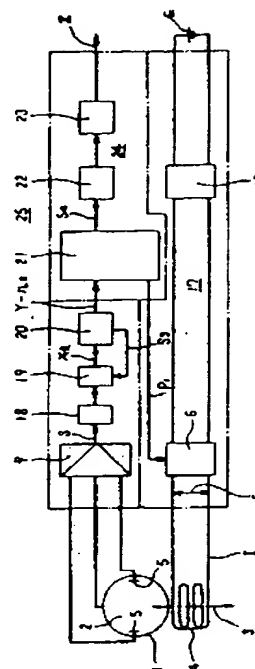
APPLICATION DATE : 21-02-84
APPLICATION NUMBER : 59030878

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INT.CL. : G01F 1/60

TITLE : LOW FREQUENCY EXCITING
ELECTROMAGNETIC FLOW METER



ABSTRACT : PURPOSE: To prevent the generation of a measuring error based on sine wave like noise induced by an AC source such as a commercial power source, by providing an analogue/digital converter and an adaptable type movement average filter.

CONSTITUTION: The output signal of an analogue filter 18 is inputted to an analogue/digital converter 19 while a digital signal X_k is inputted to an adaptable type movement average filter 20 which, in turn, performs the predetermined operation of said signal X_k to outputs sample value series Y_{-n_0} as a digital signal from which the sine wave like noise contained in the signal X_k is removed. Further, a pulse like sampling order signal is continuously outputted from the filter 20 and inputted to the converter 19 to be converted to the digital signal X_k in synchronous relation to the signal of a filter 18. In addition, the signal Y_{-n_0} is inputted, and sampling and operation are performed to output a digital signal S_4 to a pulse modulator 22.

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